Author’s response to reviews

Title: Impact of diabetes mellitus on functional exercise capacity and pulmonary functions in patients with diabetes and healthy persons

Authors:

Krzysztof Kuziemski (k.kuziemski@gumed.edu.pl)

Wojciech Słomiński (wojciech.slominski@gmail.com)

Ewa Jassem (ejassem@gumed.edu.pl)

Version: 2 Date: 30 Oct 2018

Author’s response to reviews:

Editor, BMC Endocrine Disorder

According to the suggestion of the editorial board, a language correction was performed. The correction was made by the professional Nature Research Editing Service suggested by the BMC Endocrine Disorders

Dear reviewers

All changes in the main text are marked in green color

Turhan Kahraman (Reviewer 2):

Title should be changed according to the new study aim.

Yes, this is a very important remark. The title of the work has been changed to: Impact of diabetes mellitus on functional exercise capacity and pulmonary functions in patients with diabetes and healthy persons

Since the new aim is to compare "functional exercise capacity and pulmonary functions in persons with diabetes and healthy persons.", the information about the 6MWT is unnecessary in Introduction. Related information, importance or hypothesis about the functional exercise capacity and pulmonary functions in persons with diabetes should be added in Introduction.
Yes, this is a very important remark. The work refers to 6MWT, therefore, in our opinion, information about 6MWT should be in the introduction. What's more, information about lung function in diabetes has been added in the introduction (the 13 lines at the end of the introduction). Therefore, three new references have been added reference number 12,13,14:

- Klein OL, Meltzer D, Carnethon M, Krishnan JA. Type II diabetes mellitus is associated with decreased measures of lung function in a clinical setting. Respir Med. 2011;105:1095-1098.

Now the introduction of the work is a coherent and complementary whole. The new paragraph at the end of the introduction is marked in green.

Please report the full p value located in Figure 1.

Yes appropriate changes have been added in Figure 1 (P = 0.124)

Figure 1. It is unclear why you compared the persons with DM1 and DM2. You should clearly report all the comparisons for both groups and also with healthy participants (while doing performing post hoc analysis, remember conducting appropriate p value corrections. In addition, you should discuss your new results.

The main aim of research was to verify the difference of results for patients with diabetes and healthy. The question about comparison of DM1 and DM2 was coming after achieving main objective. The issue was based on significant differences between diabetes and healthy. Population of each group diabetes (DM1, DM2) is twice lower than healthy. These are reasons why comparison of all groups was not calculated.

Reviewer 2 (Reviewer 3):

Reviewer comments: I think it is a sound contribution, but some of the language still need Improving"

The English language style has been improved by a professional English language editing service.